

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

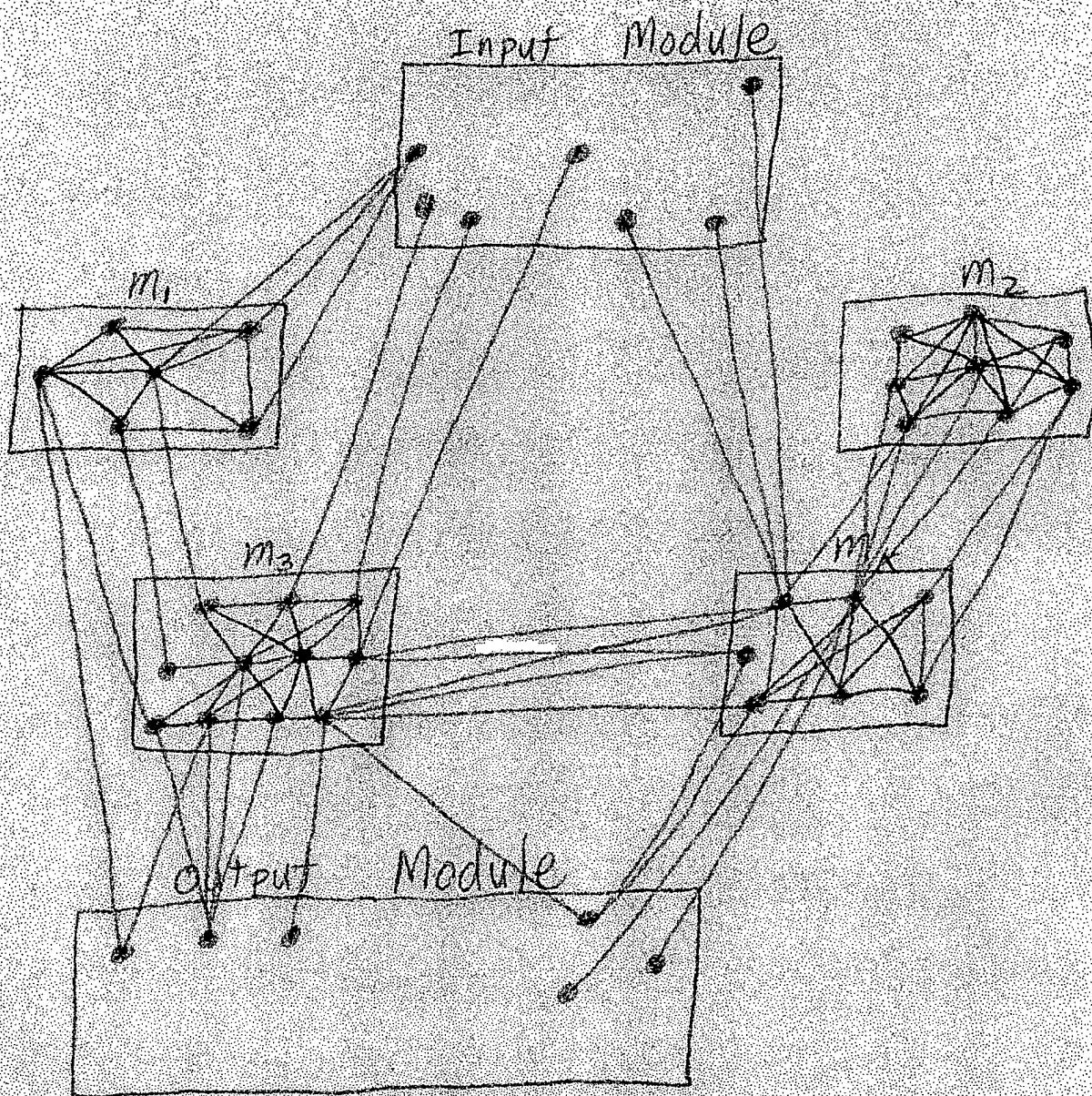
Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

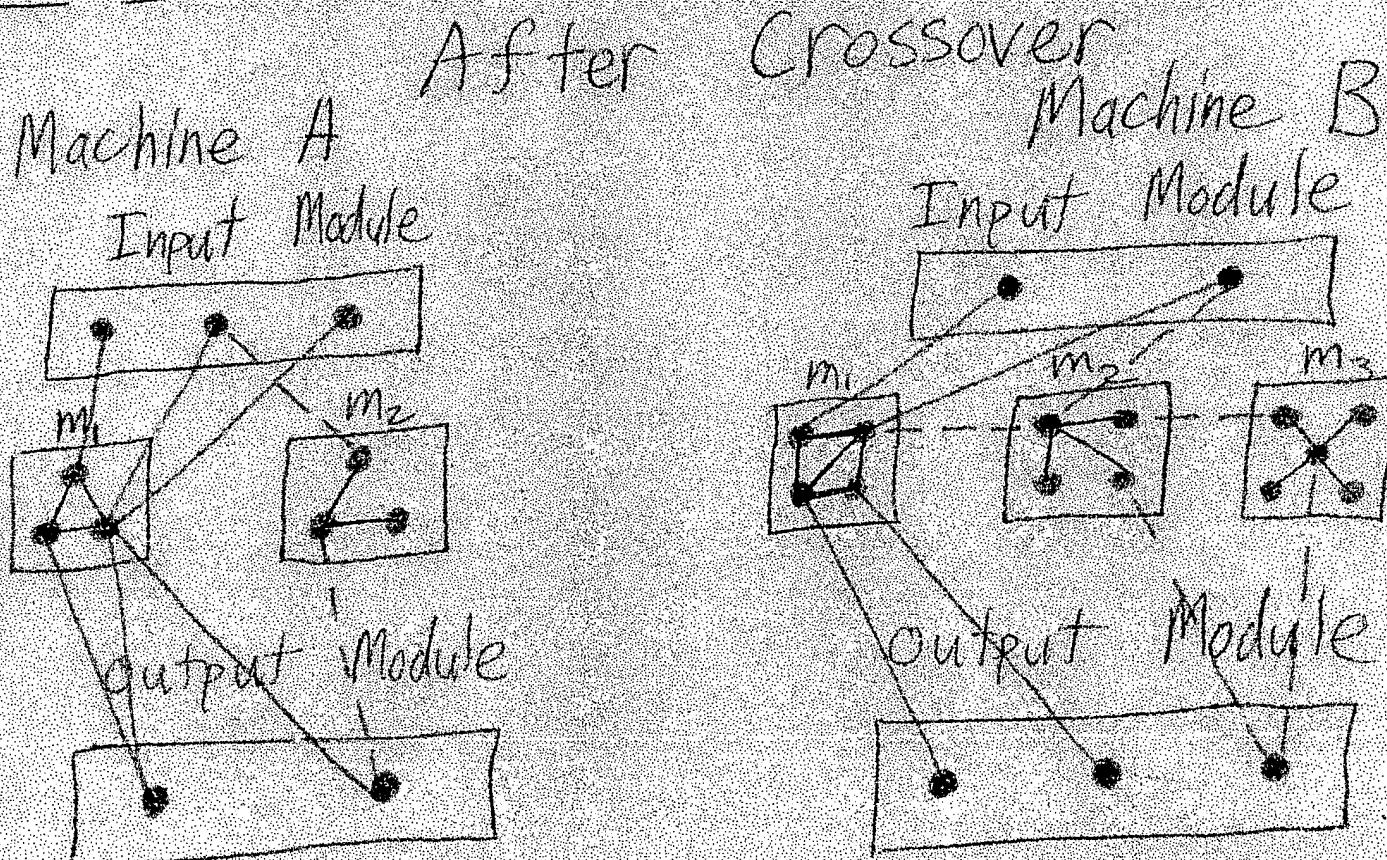
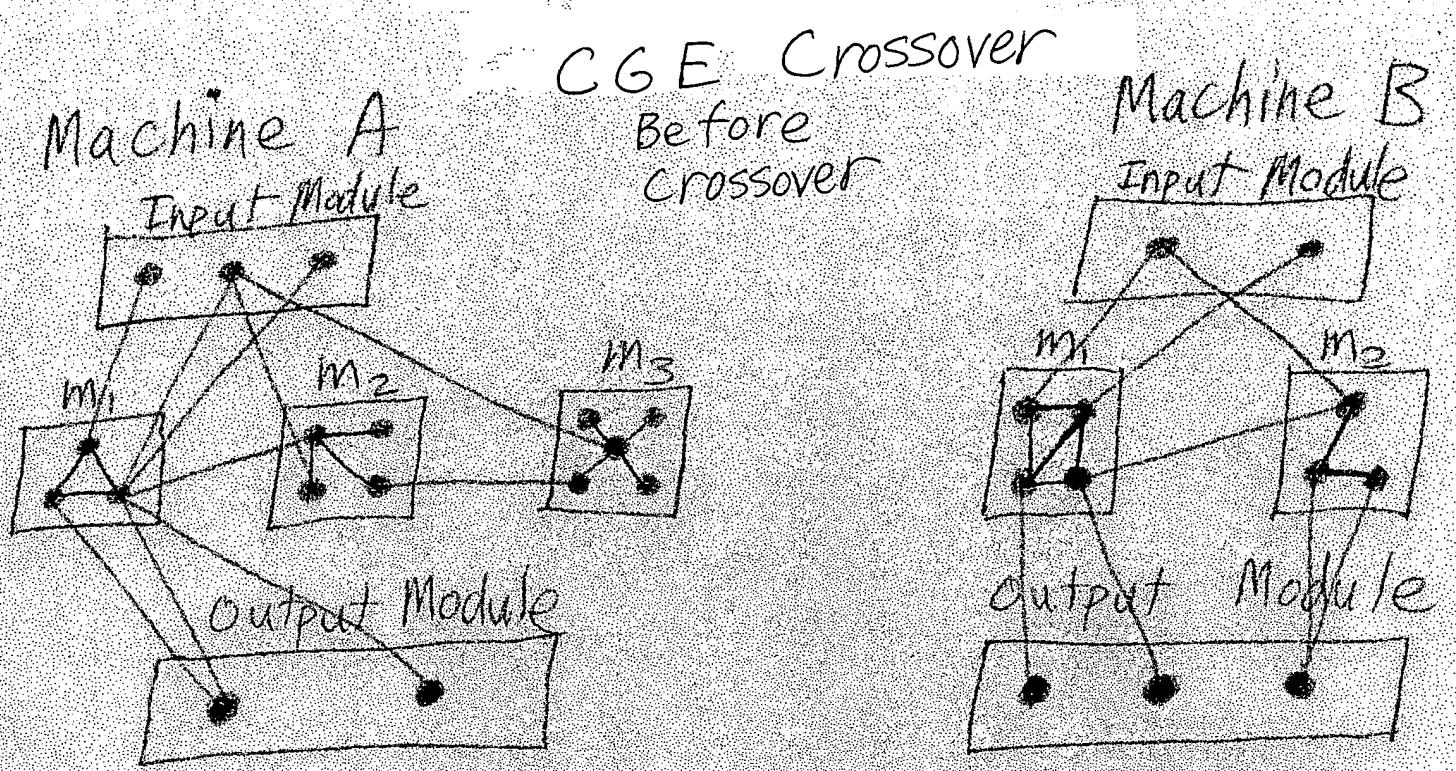
Effector Machine Structure used in Cyclic Graph Evolution



Internal modules are labeled:

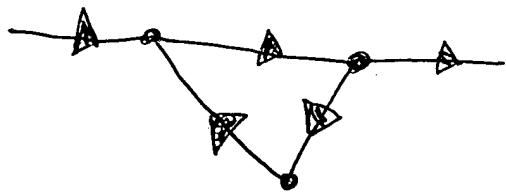
$m_1, m_2, m_3, \dots, m_k$

Internal connections lie completely within one rectangle, which represents one module. Non-zero external connections run from one module to another module. Effectors that have non-zero external connections to other modules are shown as large dots.

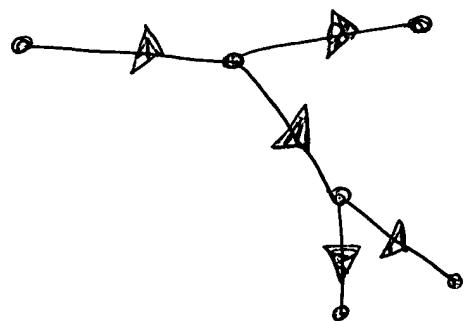


--- new external connection

DIRECTED GRAPHS



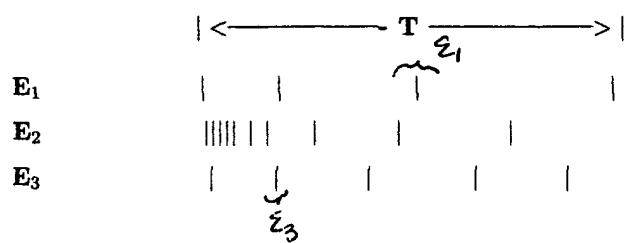
Graph with
cycle



Graph with
no cycles

ERROR TOLERANCE IN EFFECTORS

EFFECTOR FIRING TIMES



Effector Circuit

